

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of the claims in the application:

Listing of Claims:

1. (Currently amended) A method for inducing chondrogenesis comprising the steps of contacting chondrocytes with a composition consisting of (a) an exogenously produced extracellular matrix comprising type I collagen and (b) an effective amount of BMP-4 sufficient to induce chondrogenesis and culturing said chondrocytes *in vitro* with said composition.

2. (Currently amended) A method for inducing chondrogenesis comprising the steps of contacting chondrocytes with a composition consisting of (a) an exogenously produced extracellular matrix comprising type II collagen and (b) an effective amount of BMP-4 sufficient to induce chondrogenesis and culturing said chondrocytes *in vitro* with said composition.

3-9. (Cancelled)

10. (Previously presented) A method according to claim 1 or 2 wherein said chondrocytes are from joint tissue.

11-24. (cancelled)

25. (Previously presented) A method according to claim 1 or 2 further comprising the step of subsequently implanting said matrix containing said chondrocytes into a site *in vivo* of desired chondrogenesis.

26 (Previously presented) A method according to claim 1 or 2 wherein said matrix is formed by lyophilization of a dispersion of collagen fibers.